

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

Claims 1-15. (Canceled)

Claim 16. (New) A method for preparing a bone morphogenetic protein complex comprising:

- (a) extracting protein from bone material with guanidinium hydrochloride (GuHCl);
- (b) concentrating the extract by filtering with a tangential flow system and/or a ultrafiltration system;
- (c) performing at least one dialysis of the concentrated extract against water or a buffer solution and dissolving insoluble material in buffered urea;
- (d) performing a HPLC gel filtration of the buffered urea dissolved material to fractionate the protein material into three fractions, fraction I having a molecular weight of 100-700 kD, fraction II, having a molecular weight of 25-55 kD, and a fraction III having a molecular weight of 15-25 kD; and
- (e) drying and sterilizing fraction I.

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Claim 17. (New) The method of claim 16, further comprising combining fractions I and III and drying and sterilizing said fractions.